

Enabling Climate Change Mitigation through Capacity Building – Green Energy Center of Iran (GECI)

The capacity building programme aims to contribute to the development of renewable energy and energy efficiency in Iran and therefore to the reduction of greenhouse gas emissions. It aims at creating a space for knowledge exchange and innovation. From the year 2017 to 2020 it will offer guest lectures, syllabi development activities and exchange opportunities for Iranian Universities. For professionals working in ministries, public institutions, grid operators, power generation companies, project developers, enterprises, the finance sector and NGOs, the capacity building programme will offer full and partial scholarships for short term trainings in Iran, in Berlin and via the internet.

Objectives

The project has the following objectives:

- Enabling and fostering knowledge transfer between Iran and Germany
- Strengthen local training capacity for academic and advanced vocational training via knowledge exchange
- Collaborative development of ready to use modules on renewable energy / energy efficiency to be integrated in existing syllabi and pos-

sibly a new syllabus for renewable energies in Iran

- Offering trainings on specific topics in renewable energy / energy efficiency for professionals from public and private institutions and companies
- Concept development for a Green Energy Centre of Iran in a co-creation process
- Research co-operation and researcher exchanges for sustainable capacity building

Key topics

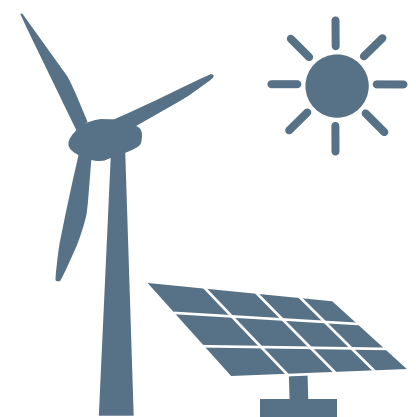
The project team has already included photovoltaics as a compulsory part of the capacity building programme, since Iran has designated this as a key topic. Reasons for this are the high solar irradiation levels in Iran and the great development potential for photovoltaics.

The second key topic shall be chosen from the following areas:

- Renewable energy technologies: photovoltaics (1st key topic), wind energy, solar heating for residential hot water, solar heating for process heat, biogas / solid biomass, small hydropower and geothermal energy
- Energy efficiency technologies: air conditioning for buildings (indus-

try and municipal), lighting (public buildings, hospitals, schools, streets, etc.), pumps, motors, cooling, compressed air and process heat (industry)

- Cross-sectoral topics/technologies: grid integration of renewable energy, renewable energy and water management, environmental impact assessment, tendering and evaluation, project management, project economics and climate finance



Time schedule for planned activities

The project will plan its activities according to the following time schedule. The project started on the 1st of May 2017 and will run until April 2020.

Activity	2017	2018	2019	2020
Coordination, consultation and fact-finding mission (TU-IBBA, RENAC, BEC)				
University cooperation (TU-IBBA, BEC)				
Short term trainings for ministries, institutions, private sector, energy sector, others (RENAC)				
Concept and business plan development for Green Energy Centre Iran (RENAC / TU-IBBA)				



Finance and partner

The project is part of the International Climate Initiative (IKI). The Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) supports this initiative on the basis of a decision adopted by the German Bundestag. Since 2008, the IKI has been financing climate and biodiversity projects in developing and newly industrialising countries, as well as in countries in transition.

Implementing partner is the Ministry of Energy of the Islamic Republic of Iran.

Technical University Berlin

Institute of Vocational Education and Work Studies (TU-IBBA)
Marchstraße 23
D-10587 Berlin, Germany
www.ibba.tu-berlin.de

Lead: Prof. Dr. Hans-Liudger Dienel (Managing Director) and Christoph Henseler

Renewables Academy AG (RENAC)

Schönhauser Allee 10-11
10119 Berlin, Germany
www.renac.de

Contact: Albrecht Tiedemann and Bernd Wollwerth-Carl

Consultant / focal point:

Senior Ass. Prof. Dr. Lutz Mez
Uhlandstr. 79
10717 Berlin, Germany
www.berlin-ec.com

Internet (to be activated soon):

www.geciran.net



Supported by:



based on a decision of the German Bundestag

